

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0017	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	14500	MPa	ASTM D 638
Tensile Strength	221	MPa	ASTM D 638
Elongation at Break	2.3	%	ASTM D 638
Compressive Modulus	7930	MPa	ASTM D 695
Compressive Strength	264	MPa	ASTM D 695
Flexural Modulus	11700	MPa	ASTM D 790
Flexural Strength	333	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	530	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	16	E-6/K	ASTM D 696
DTUL @ 264 psi	282	°C	ASTM D 648
Thermal Conductivity, solid state	0.0519	W/(m K)	ASTM C 177

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	33.1	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.022	-	ASTM D 150
Dissipation Factor, 1 MHz	0.05	-	ASTM D 150
Dielectric Constant, 60 Hz	4.4	-	ASTM D 150
Dielectric Constant, 1 MHz	4.2	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.24	%	ASTM D 570
Density	1610	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	177	°C	-
Pre-drying - Time	3	h	-
Processing humidity	≤0.05	%	-
Mold temperature	199 - 216	°C	-
Zone 1	304	°C	-
Nozzle temperature	371	°C	-
Screw speed	50 - 100	rpm	-
Back pressure	6.89	MPa	-

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Automotive, IT / Business Machine, Electrical and Electronical

Features

Creep Resistance

Regional Availability

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa